

ABSTRACT

The present invention discloses an internal safety structure for toasters comprising a circuit board (12), a motor (3), a lifting rack (17) and others. The motor (3) is a low voltage direct current motor driving the lifting rack (17) to move upwards or downwards through a set of gears, a set of clutch gears and a driving gear bar (19). On the circuit board (12), an upper sensor (15) and a lower sensor (16) are installed to sense the lifting level of the lifting rack (17), and a transformer (13) is installed to reduce the voltage of alternating current of power to the circuit board (12) and the motor (3) through a set of diode rectifiers changing alternating current to direct current. The present invention is of simple and reliable construction, susceptible of low production costs and consumes low energy. It is economical and durable and produces less noise.